

May 02, 2019



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 20873

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATIONS:
 - a. This emergency special permit authorizes the transportation in commerce certain lithium batteries with a net mass greater than 35 kg aboard cargo-only aircraft. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
 - d. This special permit serves as an approval under Special Provision A99 and State Variation US 3 of the ICAO TI and as a "Competent Authority Approval" as defined under 49 CFR § 107.1.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the ICAO TI.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9B) in that lithium batteries may not exceed a net mass of 35 kg when transported by cargo aircraft, except as specified herein.

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5. BASIS: This emergency special permit is based on the application of Propack International, Inc. dated April 23, 2019, submitted in accordance with § 107.117 and a determination that it is necessary to prevent significant economic loss.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Lithium ion batteries <i>including lithium ion polymer batteries*</i>	9	UN3480	N/A

*Only lithium batteries identified as APNNSPA-081-0B in Appendix #5 submitted April 23, 2019 and on file with the Office of Hazardous Materials Safety Approvals and Permits Division (OHMSAPD).

7. SAFETY CONTROL MEASURES:

a. PACKAGING:

(1) Each battery must be packaged in accordance with § 173.185(b), Packing Instruction 965 of the ICAO TI, and the following:

(i) Inner Packaging: Each battery must be placed in a plastic bag that completely encloses the battery.

(ii) Outer Packaging:

(A) The inner packaging must be individually placed in a 4G fiberboard box meeting the Packing Group II performance level.

(B) The outer 4G packaging must be securely attached to a wooden pallet at the bottom to prevent movement incidental to normal transportation.

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(2) The battery terminals must be protected to prevent damage from the weight of other material that may be superimposed during transportation.

(3) Not more than one lithium ion battery may be packaged per outer packaging.

(4) The net weight of the battery may not exceed 115 kg (254 pounds).

b. TESTING:

(1) All lithium ion cells (LG Type P30B) must be of a type that have passed all required tests as specified in the "UN Manual of Tests and Criteria, 5th Revised Edition."

(2) All lithium ion batteries (Nominal Energy Rating 10 kWh) must be of a type that have passed all required tests as specified in the "UN Manual of Tests and Criteria, 5th Revised Edition."

c. OPERATIONAL CONTROLS:

(1) The authorized lithium ion batteries (Max 398 V, Nominal 10 kWh) are composed of battery modules (comprised of LG Type P30B cells) in a configuration of 6S1P as specified in the application dated April 23, 2019 and on file with the OHMSAPD.

(2) The battery must be equipped with an effective means to prevent dangerous reverse current flow when cells are connected in parallel.

(3) All batteries must be protected against short-circuiting.

(4) The state of charge for the batteries may not exceed 30% when offered for cargo-air transportation.

(5) Not more than 152 lithium ion batteries may be transported under the terms of this special permit.

d. MARKING: Each package covered under the terms of this special permit must be durably and legibly marked and displayed on a background of contrasting color with "DOT-SP 20873".

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8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit, but receives a package covered by this special permit, may reoffer it for transportation provided no modification or change is made to the package and it is offered for transportation in conformance with this special permit, the HMR, and the ICAO TI.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

d. The grantee must maintain a record of all activity conducted under the authority granted in this special permit and upon request make this information available to DOT representatives or enforcement officials. The record must contain a listing and number of shipments made to include:

(1) Dates of shipment; and

(2) Description of each type of shipment.

9. MODES OF TRANSPORTATION AUTHORIZED: Cargo-only aircraft.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each aircraft used to transport packages covered by this special permit. The shipper must furnish a copy of this special permit to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

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- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU)—"The Hazardous Materials Safety and Security Reauthorization Act of 2005" (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at

http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm

Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: Steve H